

Attorney Docket No. 077197-0019 (7605P003)

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Zhengfu HAN et al.

Application No.: 10/588,042

Filing Date: August 1, 2006

For: A POLARIZATION-CONTROLLED ENCODING METHOD,  
ENCODER, AND QUANTUM KEY DISTRIBUTION SYSTEM

**POWER OF ATTORNEY BY ASSIGNEE AND  
CERTIFICATION UNDER 37 C.F.R. § 3.73(b)**

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-identified patent application, by virtue of Assignments submitted for recordation in the U.S. Patent and Trademark Office (copies attached hereto), appoint the attorneys and agents associated with **CUSTOMER NUMBER 1923** to prosecute this application and transact all business with the U.S. Patent and Trademark Office in connection therewith. This appointment is to the exclusion of the inventor and his attorney(s) and agent(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Direct all telephone calls to Monique A. Morneault (312) 372-2000. Address all correspondence to:

**Customer No. 1923  
Monique A. Morneault, Esq.  
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Chicago, Illinois 60606-5096**

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In accordance with 37 C.F.R. § 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the Assignment noted above.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

Assignee: University of Science and Technology of China  
Signature: Qingshi ZHU  
Typed Name: Qingshi ZHU  
Title: Representative of University of Science and Technology of China  
Date: Apr 27, 2007  
Address: 96, Jinzhai Road  
Hefei, Anhui 230026  
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PATENT

ASSIGNMENTApplication No. 10/588,042Filing Date: August 1, 2006

IN CONSIDERATION of good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in "A POLARIZATION-CONTROLLED ENCODING METHOD, ENCODER, AND QUANTUM KEY DISTRIBUTION SYSTEM" and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA, 96, Jinzhai Road, Hefei, Anhui 230026, P.R. China, a Chinese University, and the successors, legal representatives and assigns of UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA (hereinafter collectively called said "Assignee"), and the Commissioner of Patents is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

FOR SAID CONSIDERATIONS, it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any Divisional, Continuation or Continuation-In-Part application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said consideration it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby Assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign letters patent therefor, including the prosecution thereof, and to execute any and all documents necessary to vest title in said foreign applications and patents in said Assignee. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and Serial Number thereof in the places provided therefor.

WITNESS our hand and seal

Date: <u>2006. 9. 8</u>	Date: <u>2006. 9. 8</u>
Signature: <u>Zhengfu Han</u>	Signature: <u>Bing Zhu</u>
Name: Zhengfu HAN, Inventor	Name: Bing ZHU, Inventor
Subscribed before me, this <u>8th</u> day of <u>September</u> , 2006	Subscribed before me, this <u>8</u> day of <u>9</u> , 2006
Witness <u>Wen Hao</u>	Witness <u>Chen Wei</u>
Wen Hao	Chen Wei

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Date: <u>2006.9.8</u>	Date: <u>2006.9.8</u>
Signature: <u>Xiaofan Mo</u>	Signature: <u>G. C. Guo</u>
Name: Xiaofan MO, Inventor	Name: Guangcan GUO, Inventor
Subscribed before me, this <u>8</u> day of <u>9</u> , 2006	Subscribed before me, this <u>8</u> day of <u>9</u> , 2006
<u>Zhou Zheng</u>	<u>Yang Yong</u>
Witness <u>Zhou Zheng</u>	Witness <u>Yang Yong</u>

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